## SCORE Search Results Details for Application 10552515 and Search Result 20080624 135918 us-10-552-515-1 copy 157 933 szlm.rup.

		Chipi Chiphana		
Score Home Herrieve				
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	24343446 344 11444 344			
1 0 0 0				

This page gives you Search Results detail for the Application 10552515 and Search Result 20080624\_135918\_us-10-552-515-1\_copy\_157\_933.szlm.rup.

Go Back to previous page

GenCore version 6.2.1
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OM protein - protein search, using sw model

Run on: June 24, 2008, 15:38:05; Search time 510 Seconds

(without alignments)

2506.345 Million cell updates/sec

Title: US-10-552-515-1\_COPY\_157\_933

Perfect score: 4123

Sequence: 1 QQDVQDGNTTVHYALLSASW.....SELSSHWTPFTVPKASQLQQ 777

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 5032670 segs, 1645091341 residues

Total number of hits satisfying chosen parameters: 19795

Minimum DB seq length: 8
Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : UniProt\_12.1:\*

1: uniprot\_sprot:\*
2: uniprot\_trembl:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

		િ				
Result		Query				
No.	Score	Match 1	Length	DB	ID	Description
1	44	1.1	20	2	 Q594K2_PLAFA	Q594k2 plasmodium
2	42	1.0	20	2	Q6BDK5_TRIMT	Q6bdk5 tricholoma
3	41	1.0	18	2	Q4XC48_PLACH	Q4xc48 plasmodium

4	39	0.9	17	2	Q76N52_HUMAN	076n52	homo sapien
5	39	0.9	17	2	25YKQ3_CONMU		conus mus (
6	39	0.9	18	1	CWP19_SOLLC		solanum lyc
7	39	0.9	18	2	 Q62256_MOUSE		mus musculu
8	39	0.9	19	2	a1Z5I9_HUMAN		homo sapien
9	39	0.9	19	2	A2CIY7_RABIT		oryctolagus
10	38.5	0.9	20	2	Q96RQ2_HUMAN	_	homo sapien
11	38.5	0.9	20	2	Q4XESO_PLACH		plasmodium
12	38	0.9	14	1	LPW_ECO57		escherichia
13	38	0.9	14	1	LPW_ECOL6	P0ad93	escherichia
14	38	0.9	14	1	LPW_ECOLI		escherichia
15	38	0.9	14	1	LPW_SHIFL	P0ad95	shigella fl
16	38	0.9	14	2	Q32GS5_SHIDS		shigella dy
17	38	0.9	18	2	Q9LAP4_ENTFC		enterococcu
18	38	0.9	19	2	Q3HYD3_TENMO	<del>-</del>	tenebrio mo
19	37.5	0.9	20	2	A6C5A0_9PLAN	A6c5a0	planctomyce
20	37	0.9	15	2	Q7M0C2_RAT	Q7m0c2	rattus norv
21	37	0.9	17	2	Q6PT69_LOLPR	Q6pt69	lolium pere
22	37	0.9	17	2	Q6PT67_9POAL	Q6pt67	streptochae
23	37	0.9	17	2	Q6PT68_SORBI	Q6pt68	sorghum bic
24	37	0.9	17	2	Q6PT72_9POAL	Q6pt72	bouteloua g
25	37	0.9	17	2	Q6PT71_9POAL	Q6pt71	chasmanthiu
26	37	0.9	17	2	Q6PT66_9ORYZ	Q6pt66	zizania aqu
27	37	0.9	17	2	Q6PT70_DANSP	Q6pt70	danthonia s
28	37	0.9	19	2	Q4Z5V1_PLABE	Q4z5v1	plasmodium
29	37	0.9	20	2	Q7JMY8_LEIIN	Q7jmy8	leishmania
30	37	0.9	20	2	Q7M4A5_MYTED	Q7m4a5	mytilus edu
31	37	0.9	20	2	Q9QW31_9MURI	<del>-</del>	rattus sp.
32	37	0.9	20	2	Q7LZH3_MELGA	Q7lzh3	meleagris g
33	36	0.9	17	2	Q5YKQ8_CONGA	Q5ykq8	conus gladi
34	36	0.9	17	2	Q9QUJ4_9MURI	Q9quj4	mus sp. mep
35	36	0.9	19	2	Q9QV70_9MURI	Q9qv70	rattus sp.
36	36	0.9	20	1	2SS1_BRARC	P84529	brassica ra
37	36	0.9	20	1	PEP18_ARGAU	P84749	argiope aur
38	36	0.9	20	2	Q9S8B6_HORVU	Q9s8b6	hordeum vul
39	35.5	0.9	18	2	Q52RG5_HUMAN	Q52rg5	homo sapien
40	35.5	0.9	18	2	Q52RG4_HUMAN	_	homo sapien
41	35.5	0.9	20	2	A5XL80_BURMA		burkholderi
42	35	0.8	15	2	Q5EDM6_LEGPN		legionella
43	35	0.8	15	2	Q8UM88_9HIV1		human immun
44	35	0.8	16	1	ARCD_PSEPU		pseudomonas
45	35	0.8	19	2	Q06028_MOUSE	Q06028	mus musculu

## ALIGNMENTS

```
RESULT 1
Q594K2_PLAFA
   Q594K2_PLAFA
                           Unreviewed; 20 AA.
ID
AC
    Q594K2;
DT 26-APR-2005, integrated into UniProtKB/TrEMBL.
DT
    26-APR-2005, sequence version 1.
DT
    24-JUL-2007, entry version 7.
DE
    Digestive vacuole transmembrane protein (Fragment).
GN
    Name=CRT;
```

OS

Plasmodium falciparum.

```
OC
    Eukaryota; Alveolata; Apicomplexa; Aconoidasida; Haemosporida;
    Plasmodium; Plasmodium (Laverania).
OC
    NCBI_TaxID=5833;
OX
RN
    [1]
RP
    NUCLEOTIDE SEQUENCE.
RC
    STRAIN=GUY-PHG13;
    Best Plummer W., Pinto Pereira L.M., Carrington C.V.F.;
RA
    "Pfcrt and Pfmdr1 Alleles Associated with Chloroquine Resistance in
RT
RT
    Plasmodium falciparum from Guyana, South America.";
RL
    Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.
    _____
CC
CC
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    Distributed under the Creative Commons Attribution-NoDerivs License
CC
    ______
CC
    EMBL; AY570260; AAU03451.1; -; Genomic_DNA.
DR
DR
    GO; GO:0016021; C:integral to membrane; IEA:UniProtKB-KW.
PE
    4: Predicted;
KW
    Transmembrane.
FT NON_TER 1
                      1
    NON_TER 20
                     20
FT
    SEQUENCE 20 AA; 2349 MW; 99A32D09DD195484 CRC64;
SO
 Query Match
                       1.1%; Score 44; DB 2; Length 20;
 Best Local Similarity 50.0%; Pred. No. 3.8e+04;
 Matches 9; Conservative 6; Mismatches 3; Indels 0; Gaps
     399 VFILILSKIYVSLAHVLT 416
Qy
            :|| ||| ||:|:: ::|
Db
          1 IFIYILSIIYLSVSVMIT 18
RESULT 2
Q6BDK5_TRIMT
                        Unreviewed;
                                         20 AA.
ID Q6BDK5_TRIMT
   Q6BDK5;
AC
DT 13-SEP-2004, integrated into UniProtKB/TrEMBL.
    13-SEP-2004, sequence version 1.
DT
DT
    24-JUL-2007, entry version 8.
    Putative uncharacterized protein (Fragment).
DΕ
    Tricholoma matsutake (Matsutake mushroom) (Tricholoma nauseosum).
OS
    Eukaryota; Fungi; Dikarya; Basidiomycota; Agaricomycotina;
OC
OC
    Agaricomycetes; Agaricomycetidae; Agaricales; Tricholomataceae;
OC
    Tricholoma.
OX
    NCBI_TaxID=40145;
RN
    [1]
RP
    NUCLEOTIDE SEQUENCE.
RA
    Murata H.;
    "Characterization of the insertion sites of marY1, the gypsy-type
RT
    retrotransposon from the ectomycorrhizal basidiomycete Tricholoma
RT
RT
    matsutake strain Y1, in the genome the fungus based on the inter-
    retrotransposon amplified polymorphism analysis.";
RT
    Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.
RL
    _____
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CC
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```

```
CC
    ______
    EMBL; AB160895; BAD32671.1; -; Genomic_DNA.
DR
    4: Predicted;
PE
FT NON_TER 1
                      1
FT NON_TER
               20
                     20
    SEQUENCE 20 AA; 2213 MW; 84BDB0AB47F6443C CRC64;
SQ
                       1.0%; Score 42; DB 2; Length 20;
 Query Match
 Best Local Similarity 52.9%; Pred. No. 5.6e+04;
 Matches 9; Conservative 1; Mismatches 7; Indels 0; Gaps
                                                                      0;
Qу
       618 HLAVISNAFLLAFSSDF 634
            1: || | || ||
          1 HILGISKGILRVFSSDF 17
Db
RESULT 3
Q4XC48_PLACH
                  Unreviewed; 18 AA.
ID Q4XC48_PLACH
AC Q4XC48;
    05-JUL-2005, integrated into UniProtKB/TrEMBL.
DT
    05-JUL-2005, sequence version 1.
DT
DT
    24-JUL-2007, entry version 7.
DE
    Putative uncharacterized protein (Fragment).
GN
    ORFNames=PC403567.00.0;
OS
    Plasmodium chabaudi.
    Eukaryota; Alveolata; Apicomplexa; Aconoidasida; Haemosporida;
OC
    Plasmodium; Plasmodium (Vinckeia).
OC
    NCBI_TaxID=5825;
OX
RN
    [1]
RP
    NUCLEOTIDE SEQUENCE.
    PubMed=15637271; DOI=10.1126/science.1103717;
RX
    Hall N., Karras M., Raine J.D., Carlton J.M., Kooij T.W.A.,
RA
    Berriman M., Florens L., Janssen C.S., Pain A., Christophides G.K.,
RA
    James K., Rutherford K., Harris B., Harris D., Churcher C.M.,
RA
    Quail M.A., Ormond D., Doggett J., Trueman H.E., Mendoza J.,
RA
RA
    Bidwell S.L., Rajandream M.A., Carucci D.J., Yates J.R. III,
    Kafatos F.C., Janse C.J., Barrell B.G., Turner C.M.R., Waters A.P.,
RA
    Sinden R.S.;
RA
    "A comprehensive survey of the Plasmodium life cycle by genomic,
RT
    transcriptomic, and proteomic analyses.";
RT
    Science 307:82-86(2005).
RL
CC
    -! - CAUTION: The sequence shown here is derived from an
       EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
CC
CC
        preliminary data.
    _____
CC
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CC
    EMBL; CAAJ01007713; CAH85524.1; -; Genomic DNA.
DR
PΕ
    4: Predicted;
                     1
FT
    NON TER 1
    SEQUENCE 18 AA; 2011 MW; 674A05D1A9721915 CRC64;
SQ
                       1.0%; Score 41; DB 2; Length 18;
 Query Match
 Best Local Similarity 50.0%; Pred. No. 5.9e+04;
```

```
0; Gaps
 Matches
            5; Conservative 4; Mismatches 1; Indels
                                                                       0;
         607 GIWFHILAGL 616
Qу
            |:|| :|:
Db
           7 GVWFFVLSGI 16
RESULT 4
Q76N52 HUMAN
    Q76N52_HUMAN
                          Unreviewed; 17 AA.
ΙD
АC
    Q76N52;
    05-JUL-2004, integrated into UniProtKB/TrEMBL.
DT
DT
    05-JUL-2004, sequence version 1.
    24-JUL-2007, entry version 12.
DT
DE
    Ribosomal protein L41 (Fragment).
OS
    Homo sapiens (Human).
OC
    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC
    Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini;
OC
    Catarrhini; Hominidae; Homo.
    NCBI_TaxID=9606;
OX
RN
    [1]
    NUCLEOTIDE SEQUENCE.
RP
    MEDLINE=98248690; PubMed=9582194;
RX
    Kenmochi N., Kawaguchi T., Rozen S., Davis E., Goodman N.,
RA
    Hudson T.J., Tanaka T., Page D.C.;
RA
RT
    "A map of 75 human ribosomal protein genes.";
    Genome Res. 8:509-523(1998).
RL
    _____
CC
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CC
    ______
CC
    EMBL; AB007186; BAA28285.1; -; Genomic_DNA.
DR
    UniGene; Hs.112553; -.
DR
DR
    UniGene; Hs.242947; -.
DR
    UniGene; Hs.282998; -.
    UniGene; Hs.356799; -.
DR
    UniGene; Hs.434890; -.
DR
    UniGene; Hs.532082; -.
DR
DR
    UniGene; Hs.632703; -.
    UniGene; Hs.649959; -.
DR
    HGNC; HGNC:10354; RPL41.
DR
    4: Predicted;
PE
KW
    Ribosomal protein.
                      17
    NON TER
               17
FT
SQ
    SEQUENCE 17 AA; 2385 MW; 1990EBE3EEA7E344 CRC64;
 Query Match
                        0.9%; Score 39; DB 2; Length 17;
 Best Local Similarity 43.8%; Pred. No. 8.1e+04;
 Matches 7; Conservative 4; Mismatches 5; Indels 0; Gaps
                                                                       0;
Qу
         509 LKGWWQKFRLRSKKRK 524
             :: |:| |:|
                        Db
          1 MRAKWRKKRMRRLKRK 16
```

RESULT 5

```
Q5YKQ3_CONMU
    Q5YKQ3_CONMU
                                            17 AA.
ID
                           Unreviewed;
АC
    Q5YKQ3;
    23-NOV-2004, integrated into UniProtKB/TrEMBL.
DT
    23-NOV-2004, sequence version 1.
DT
DT
    24-JUL-2007, entry version 8.
DΕ
    Calmodulin (Fragment).
    Conus mus (Mouse cone).
OS
    Eukaryota; Metazoa; Mollusca; Gastropoda; Orthogastropoda;
OC
OC
    Apogastropoda; Caenogastropoda; Sorbeoconcha; Hypsogastropoda;
OC
    Neogastropoda; Conoidea; Conidae; Conus.
    NCBI_TaxID=257335;
OX
RN
RP
    NUCLEOTIDE SEQUENCE.
RA
    Duda T.F. Jr.;
    "Divergence in tropical seas: Global biogeography and evolutionary
RT
    history of the marine gastropod genus Conus.";
RT
RL
    Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases.
    _____
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CC
CC
    EMBL; AY382052; AAS01366.1; -; Genomic_DNA.
DR
DR
    GO; GO:0005509; F:calcium ion binding; IEA:InterPro.
    InterPro; IPR002048; EF hand Ca bd.
DR
DR
    PROSITE; PS50222; EF_HAND_2; 1.
PE
    4: Predicted;
FT
    NON_TER 1
                       1
               17
    NON TER
                      17
FT
    SEQUENCE 17 AA; 1835 MW; B6BEFE6AD2DD90F6 CRC64;
SQ
                         0.9%; Score 39; DB 2; Length 17;
 Query Match
 Best Local Similarity 66.7%; Pred. No. 8.1e+04;
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps
                                                                         0;
          6 DGNTTVHYA 14
Qу
            5 DGNGTIHFA 13
Db
RESULT 6
CWP19_SOLLC
ID
   CWP19 SOLLC
                           Reviewed; 18 AA.
АC
    P80815;
DΤ
    25-OCT-2005, integrated into UniProtKB/Swiss-Prot.
    25-OCT-2005, sequence version 1.
DT
DT
    24-JUL-2007, entry version 9.
DΕ
    76 kDa cell wall protein (Fragment).
    Solanum lycopersicum (Tomato) (Lycopersicon esculentum).
OS
OC
    Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC
    Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
    asterids; lamiids; Solanales; Solanaceae; Solanoideae; Solaneae;
OC
OC
    Solanum; Lycopersicon.
    NCBI_TaxID=4081;
OX
RN
```

PROTEIN SEQUENCE, AND SUBCELLULAR LOCATION.

RP

```
MEDLINE=97332671; PubMed=9188482; DOI=10.1074/jbc.272.25.15841;
RX
    Robertson D., Mitchell G.P., Gilroy J.S., Gerrish C., Bolwell G.P.,
RA
    Slabas A.R.;
RA
    "Differential extraction and protein sequencing reveals major
RT
    differences in patterns of primary cell wall proteins from plants.";
RT
    J. Biol. Chem. 272:15841-15848(1997).
RL
CC
    -!- SUBCELLULAR LOCATION: Secreted, cell wall.
    _____
CC
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CC
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CC
    _____
    1: Evidence at protein level;
PE
KW
    Cell wall; Direct protein sequencing; Secreted.
                1 >18 76 kDa cell wall protein.
FT
FT
                              /FTId=PRO_0000079688.
FT
    NON_TER 18 18
    SEQUENCE 18 AA; 1994 MW; 26676172F5F28409 CRC64;
SQ
 Query Match
                        0.9%; Score 39; DB 1; Length 18;
 Best Local Similarity 63.6%; Pred. No. 8.7e+04;
 Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps
                                                                     0;
         80 KLPRFLGSDNQ 90
Qу
            : | ||| |||
Db
          3 RTPEFLGLDNO 13
RESULT 7
Q62256_MOUSE
                         Unreviewed; 18 AA.
ID
   Q62256_MOUSE
АC
    Q62256;
    01-NOV-1996, integrated into UniProtKB/TrEMBL.
DT
    01-NOV-1996, sequence version 1.
DT
    24-JUL-2007, entry version 20.
DT
    Spermatogenic-specific proenkephalin.
DΕ
GN
    Name=Penk-rs;
OS
    Mus musculus (Mouse).
    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC
    Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
OC
    Muroidea; Muridae; Murinae; Mus.
OC
    NCBI TaxID=10090;
OX
RN
    [1]
RP
    NUCLEOTIDE SEQUENCE.
    MEDLINE=90287163; PubMed=2355920;
RX
RA
    Kilpatrick D.L., Zinn S.A., Fitzgerald M., Higuchi H., Sabol S.L.,
RA
    Meyerhardt J.;
RT
    "Transcription of the rat and mouse proenkephalin genes is initiated
RT
    at distinct sites in spermatogenic and somatic cells.";
    Mol. Cell. Biol. 10:3717-3726(1990).
RL
    _____
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CC
CC
    EMBL; M55181; AAA40127.1; -; mRNA.
DR
DR
    PIR; A35678; A35678.
    MGI; MGI:104628; Penk-rs.
DR
```

```
PE
    4: Predicted;
SQ
    SEQUENCE 18 AA; 2043 MW; B96E10CC7049FA76 CRC64;
                      0.9%; Score 39; DB 2; Length 18;
 Query Match
 Best Local Similarity 54.5%; Pred. No. 8.7e+04;
 Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
    528 SAGASQGPWED 538
Qу
           |:| |||
       2 SSGKQDSPWED 12
Db
RESULT 8
A1Z5I9 HUMAN
ID A1Z5I9_HUMAN Unreviewed; 19 AA.
AC A1Z5I9;
DT 06-FEB-2007, integrated into UniProtKB/TrEMBL.
DT 06-FEB-2007, sequence version 1.
DT
    24-JUL-2007, entry version 2.
    Mediator of DNA damage checkpoint 1 variant 1 (Fragment).
DE
GN
    Name=MDC1;
OS
    Homo sapiens (Human).
OC
    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC
    Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini;
OC
    Catarrhini; Hominidae; Homo.
OX
    NCBI_TaxID=9606;
RN
    [1]
RP
    NUCLEOTIDE SEOUENCE.
    Bu Y., Ozaki T., Suenaga Y., Nakanishi M., Kamijo T., Song F.,
RA
RA
    Nakagawara A.;
    "Identification and characterization of human NFBD1 promoter.";
RT
    Submitted (DEC-2006) to the EMBL/GenBank/DDBJ databases.
RL
    ______
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CC
    _____
CC
    EMBL; EF177823; ABM47421.1; -; mRNA.
DR
    4: Predicted;
PE
FT NON TER 19
                    19
    SEQUENCE 19 AA; 2326 MW; 0200C23525665A0E CRC64;
SQ
                      0.9%; Score 39; DB 2; Length 19;
 Query Match
 Best Local Similarity 43.8%; Pred. No. 9.3e+04;
 Matches 7; Conservative 3; Mismatches 6; Indels 0; Gaps 0;
       291 TLAYRWDCSDYEDTEE 306
Qу
           | | | | : |:||:
Db
         4 TQAIDWDVEEEEETEQ 19
RESULT 9
A2CIY7 RABIT
                        Unreviewed;
ID
  A2CIY7_RABIT
AC A2CIY7;
DT
    20-FEB-2007, integrated into UniProtKB/TrEMBL.
    20-FEB-2007, sequence version 1.
DT
```

```
24-JUL-2007, entry version 3.
DT
    O-mannosyl N-acetylglucosaminyltransferase (Fragment).
DΕ
    Oryctolagus cuniculus (Rabbit).
OS
    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC
    Mammalia; Eutheria; Euarchontoglires; Glires; Lagomorpha; Leporidae;
OC
OC
    Oryctolagus.
OX
    NCBI_TaxID=9986;
RN
    [1]
    NUCLEOTIDE SEQUENCE.
RP
RX
    PubMed=17345675;
    Farwick A., Jordan U., Fuellen G., Huchon D., Catzeflis F.,
RA
    Brosius J., Schmitz J.;
RA
RT
    "Automated scanning for phylogenetically informative transposed
    elements in rodents.";
RT
RL
    Syst. Biol. 55:936-948(2006).
    ______
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CC
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CC
CC
    EMBL; DQ451084; ABE41717.1; -; Genomic DNA.
DR
DR
    GO; GO:0016757; F:transferase activity, transferring glycosyl. . .; IEA:UniProtKB-KW.
PΕ
    4: Predicted;
    Glycosyltransferase; Transferase.
KW
FT
    NON TER 1
                        1
                 19
                       19
FT
    NON TER
SQ
    SEQUENCE 19 AA; 2202 MW; D7445A61F812B998 CRC64;
                         0.9%; Score 39; DB 2; Length 19;
 Query Match
 Best Local Similarity 50.0%; Pred. No. 9.3e+04;
 Matches 7; Conservative 2; Mismatches 3; Indels 2; Gaps
                                                                         1;
        167 WGKWN--KYQPLDH 178
Qу
             Db
           3 WGTWNVDEAEVLDH 16
RESULT 10
Q96RQ2_HUMAN
                           Unreviewed; 20 AA.
ID
   Q96RQ2 HUMAN
АC
    Q96RQ2;
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    24-JUL-2007, entry version 13.
    Natural killer cell receptor 2B4 (Fragment).
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    Chuang S.S., Pham H.T., Kumaresan P.R., Mathew P.A.;
RA
    "A prominent role for activator protein-1 in the transcription of the
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    human 2B4 (CD244) gene in NK cells.";
RL
    J. Immunol. 166:6188-6195(2001).
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    Berriman M., Florens L., Janssen C.S., Pain A., Christophides G.K.,
RA
    James K., Rutherford K., Harris B., Harris D., Churcher C.M.,
RA
    Quail M.A., Ormond D., Doggett J., Trueman H.E., Mendoza J.,
RA
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RA
    Kafatos F.C., Janse C.J., Barrell B.G., Turner C.M.R., Waters A.P.,
RA
RA
    Sinden R.S.;
    "A comprehensive survey of the Plasmodium life cycle by genomic,
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RT
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    Science 307:82-86(2005).
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RA
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    Grotbeck E.J., Davis N.W., Lim A., Dimalanta E.T., Potamousis K.,
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RA
RA
    Welch R.A., Blattner F.R.;
RT
    "Genome sequence of enterohaemorrhagic Escherichia coli O157:H7.";
    Nature 409:529-533(2001).
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RA
RA
    Iida T., Takami H., Honda T., Sasakawa C., Ogasawara N., Yasunaga T.,
    Kuhara S., Shiba T., Hattori M., Shinagawa H.;
RA
RT
    "Complete genome sequence of enterohemorrhagic Escherichia coli
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    0157:H7 and genomic comparison with a laboratory strain K-12.";
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    DNA Res. 8:11-22(2001).
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RA
    Mayhew G.F., Rose D.J., Zhou S., Schwartz D.C., Perna N.T.,
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RA
RT
    "Extensive mosaic structure revealed by the complete genome sequence
RT
    of uropathogenic Escherichia coli.";
    Proc. Natl. Acad. Sci. U.S.A. 99:17020-17024(2002).
RL
    -!- FUNCTION: This protein is involved in control of the biosynthesis
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     Squires C., Lee F., Bertrand K., Squires C.L., Bronson M.J.,
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RT
     "Nucleotide sequence of the 5' end of tryptophan messenger RNA of
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     J. Mol. Biol. 103:351-381(1976).
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     Oxender D.L., Zurawski G., Yanofsky C.;
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     Proc. Natl. Acad. Sci. U.S.A. 76:5524-5528(1979).
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     Riley M., Collado-Vides J., Glasner J.D., Rode C.K., Mayhew G.F.,
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     Gregor J., Davis N.W., Kirkpatrick H.A., Goeden M.A., Rose D.J.,
     Mau B., Shao Y.;
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     "The complete genome sequence of Escherichia coli K-12.";
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     Science 277:1453-1474(1997).
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     Hayashi K., Morooka N., Yamamoto Y., Fujita K., Isono K., Choi S.,
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     Mol. Syst. Biol. 2:E1-E5(2006).
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     Ramesh V.:
RT
     "NMR evidence for the RNA stem-loop structure involved in the
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     Nucleic Acids Res. 21:5485-5488(1993).
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     Cheng H., Yao Z., He B., Chen R., Ma D., Qiang B., Wen Y., Hou Y.,
RA
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     Yu J.;
     "Genome sequence of Shigella flexneri 2a: insights into pathogenicity
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     through comparison with genomes of Escherichia coli K12 and O157.";
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     -!- FUNCTION: This protein is involved in control of the biosynthesis
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